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TECHNOLOGY DRIVEN. WARFIGHTER FOCUSED.

Now Is the Time for an Axle Lubricant Efficiency Standard

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- Establishing The Need - Military
 - “Overall, the military consumes about 1.2 million barrels, or more than 50 million gallons of fuel, each month in Iraq...” ArmyTimes -The Associated Press, Posted : Thursday Apr 3, 2008
 - In 2006 military ground vehicles consumed over 215 million gallons of fuel, excluding Abrams M1 main battle tank. Recent economic analysis performed by TACOM



Stryker Combat Vehicles on patrol in Iraq.

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At the current cost of JP-8, \$3.04/gallon, a 1% efficiency gain represents a savings of \$7.6M annually!

- Defense Energy Supply Center (DESC) buys fuel on the open market paying from \$1.99/gallon to \$5.30/gallon.
ArmyTimes -The Associated Press, Posted : Thursday Apr 3, 2008
- Fuel comprises 70% of the Army tonnage shipped. Of the top 10 battlefield fuel consumers, 4 are supply transport vehicles (#1, 3, 4, and 8). The Defense Science Board Task Force On Improving Fuel Efficiency of Weapons Platforms, January 2001

Vehicles of the 1st Battalion, 118th Field Artillery, Georgia National Guard, returned to al-Asad Air Base, Iraq, after a three-day mission guarding a convoy of fuel tankers through the western Iraqi desert.



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- Establishing The Need – Commercial
 - Corporate Average Fuel Economy (CAFE)
 - Emissions Standards
 - Climate Change
 - Customer Demand and Satisfaction
 - Increasing Fuel Demands from China, India, and Others

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The Army is interested in working with SAE TC-3 membership to develop an axle lubricant efficiency test for light-duty and heavy-duty applications which can be implemented as part of SAE J2360.

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